

SEP 23 2002

TECH CENTER 1600/2800

FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/072,641	ATTY. DOCKET NO.: H00498/70118
INFORMATION DISCLOSURE STATEMENT BY APPLICANT SEP 20 2002 Sheet _____ of _____		FILING DATE: February 7, 2002	CONFIRMATION NO.: 3255
		APPLICANT: Gregory L. Verdine et al.	
		GROUP ART UNIT: 1623	EXAMINER: Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
TW	1	4,672,111		Haley et al.	06/09/1987

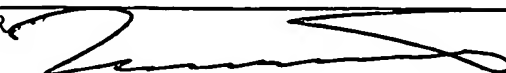
FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
P	2	WO	98/00433	A1	President and Fellows of Harvard College	01/08/1998	
P	3	WO	99/08110	A1	Newbiotics, Inc.	02/18/1999	
P	4	WO	01/07087	A2	Newbiotics, Inc.	02/01/2001	
P	5	WO	01/07088	A2	Newbiotics, Inc.	02/01/2001	
P	6	WO	00/18967	A1	Variagenics, Inc.	04/06/2000	
P	7	DE	137 110		Akademie der Wissenschaften der DDR	08/15/1979	N

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
P	8	FERRER et al., "Preparation of Oligonucleotides Containing 5-Bromouracil and 5-Methylcytosine", <i>Nucleosides & Nucleotides</i> , Vol. 15, No. 4, 1996, pp. 907-921.	
P	9	DESGRANGES et al., "Phosphorylation of 5-(2-Bromovinyl)-2'-Deoxyuridine (BVDU) and Other 5-Substituted-2'-Deoxyuridines by Purified Human Thymidine Phosphorylase and Intact Blood Platelets", <i>Biochemical Pharmacology</i> , Vol. 32, No. 23, 1983, pp. 3583-3590.	
P	10	ROY-BURMAN, et al., "Studies on the Effect of Triphosphates of 5-Aminouridine and 5-Hydroxydeoxyuridine on Ribonucleic Acid and Deoxyribonucleic Acid Polymerases", <i>Biochemical Pharmacology</i> , Vol. 19, 1970, pp. 2745-2756.	
P	11	LEUNG et al., "Characteristics of Deoxythymidine Transport and Deoxythymidine Kinase in 3T3 Cells", <i>Biochemical Medicine</i> , Vol. 16, 1976, pp. 127-137.	
P	12	CINATL et al., "2',3'-Dideoxycytidine Preferentially Inhibits in vitro Growth of Granulocyte-Macrophage Colony-Forming Cells from Patients with Chronic Myeloid Leukemia", <i>Chemotherapy</i> , Vol. 37, 1991, pp. 128-133.	
P	13	BALZARINI et al., "5-Substituted 2'-Deoxyuridines: Correlation Between Inhibition of Tumor Cell Growth and Inhibition of Thymidine Kinase and Thymidylate Synthetase", <i>Biochemical Pharmacology</i> , Vol. 31, No. 22, 1982, pp. 3673-3682.	
P	14	BARAWKAR et al., "Solid Phase Synthesis of DNA Containing 5-NH ₂ -2'-Deoxyuridine", <i>Bioorg. Med. Chem. Lett.</i> , Vol. 3, 1993, pp. 347-352.	

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

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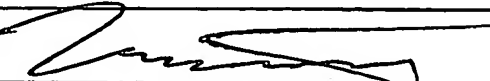
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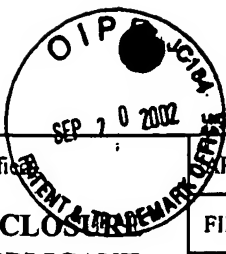
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(P)	15	CHENG et al., "Mouse Ascites Sarcoma 180 Deoxythymidine Kinase. General Properties and Inhibition Studies", <i>Biochemistry</i> , Vol. 13, No. 6, 1974, pp. 1179-1185.	
(P)	16	ERIKSSON et al., "Comparison of the Substrate Specificities of Human Thymidine Kinase 1 and 2 and Deoxycytidine Kinase Toward Antiviral and Cytostatic Nucleoside Analogs", <i>Biochemical and Biophysical Research Communications</i> , Vol. 176, No. 2, 1991, pp. 586-592.	
(P)	17	FERRER et al., "Preparation and Properties of Oligodeoxynucleotides Containing 5-Iodouracil and 5-Bromo- and 5-Iodocytosine", <i>Bionjugate Chem.</i> , Vol. 8, No. 5, 1997, pp. 757-761.	
(P)	18	HAMPTON et al., "Design of Species- or Isozyme-Specific Enzyme Inhibitors. 2. Differences between a Bacterial and a Mammalian Thymidine Kinase in the Effect of Thymidine Substituents on Affinity for the Thymidine Site", <i>J. Med. Chem.</i> , Vol. 22, No. 12, 1979, pp. 1524-1528.	
(P)	19	HAMPTON et al., "Design of Species- or Isozyme-Specific Enzyme Inhibitors. 1. Effect of Thymidine Substituents on Affinity for the Thymidine Site of Hamster Cytoplasmic Thymidine Kinase", <i>J. Med. Chem. Soc.</i> , Vol. 22, No. 6, 1979, pp. 621-631.	
(P)	20	HAMPTON et al., "Species- or Isozyme-Specific Enzyme Inhibitors. 5. Differential Effects of Thymidine Substituents on Affinity for Rat Thymidine Kinase Isozymes", <i>J. Med. Chem.</i> , Vol. 25, No. 6, 1982, pp. 644-649.	
(P)	21	HAYASHIBARA et al., "Template-Directed Interference Footprinting of Cytosine Contacts in a Protein-DNA Complex: Potent Interference by 5-Aza-2'-deoxycytidine", <i>Biochemistry</i> , Vol. 31, No. 46, 1992, pp. 11265-11273.	
(P)	22	HAYASHIBARA et al., "Template-Directed Interference Footprinting of Protein-Guanine Contacts in DNA", <i>J. Am. Chem. Soc.</i> , Vol. 113, No. 13, 1991, pp. 5104-5106.	
(P)	23	LEE et al., "Human Deoxythymidine Kinase II: Substrate Specificity and Kinetic Behavior of the Cytoplasmic and Mitochondrial Isozymes Derived from Blast Cells of Acute Myelocytic Leukemia", <i>Biochemistry</i> , Vol. 15, No. 17, 1976, pp. 3686-3690.	
(P)	24	MASCARENAS et al., "Template-Directed Interference Footprinting of Protein-Thymine Contacts", <i>J. Med. Chem. Soc.</i> , Vol. 115, No. 1, 1993, pp. 373-374.	
(P)	25	WIGERINCK et al., "Synthesis and Antiviral Activity of 5-Heteroaryl-Substituted 2'-Deoxyuridines", <i>J. Med. Chem.</i> , Vol. 34, No. 6, 1991, pp. 1767-1772.	
(P)	26	BARAWKAR et al., "Effect of C5-Amino Substituent on 2'-Deoxyuridine base pairing with 2'-Deoxyadenosine: Investigation by H and C NMR Spectroscopy", <i>Tetrahedron</i> , Vol. 48, No. 39, 1992, pp. 8505-8514.	
(P)	27	EVANS et al., "Synthesis and Biological Properties of 5-Azido-2'-deoxyuridine 5'-Triphosphate, a Photoactive Nucleotide Suitable for Making Light-Sensitive DNA", <i>Biochemistry</i> , Vol. 26, No. 1, 1987, pp. 269-276.	
(P)	28	EVANS et al., "5-Azido-2'-deoxyuridine 5'-triphosphate: A photoaffinity-labeling reagent and tool for the enzymatic synthesis of photactive DNA", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 83, 1986, pp. 5382-5386.	
(P)	29	KUMAR et al., "Nonradioactive Labeling of Synthetic Oligonucleotide Probes with Terminal Deoxynucleotidyl Transferase", <i>Analytical Biochemistry</i> , Vol. 169, 1988, pp. 376-382.	
(P)	30	JADHAV et al., "5-Amido-(Carboxyfluorescein)-2'-dU-Oligonucleotides: Novel Primers for Fluorescent Detection of PCR Amplified DNA", <i>Nucleosides & Nucleotides</i> , Vol. 16, No. 1&2, 1997, pp. 107-114.	
(P)	31	DYATKINA et al., "Terminating substrates of DNA polymerases: synthesis and functional study", <i>Symposium Series</i> , No. 8, 1987, pp. 117-120.	

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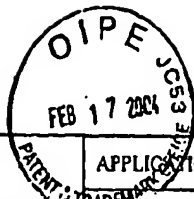
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	32	BECK et al., "Enhancement of Methotrexate Cytotoxicity by Uracil Analogues that Inhibit Deoxyuridine Triphosphate Nucleotidohydrolase (duTPase) Activity", <i>Adv. Ext. Med. Biol.</i> , Vol. 195B, 1996, pp. 97-104.	
	33	BALZARINI et al., "Structure-Function Relationship of the Antitumor Cell Activity of Pyrimidine and Pyridine Derivatives", <i>Proc. Int. Roundtable Nucleosides, Nucleotides Bio. Appl.</i> , Vol. 4, 1982, pp. 275-291.	
	34	BARAWKAR et al., "Effect of C5-amino substituent on 2'-deoxyuridine base pairing with 2'-deoxyadenosine: Investigation by H and C NMR spectroscopy", <i>Tetrahedron</i> , Vol. 48, No. 39, 1992, pp. 8505-8514.	

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		GROUP ART UNIT: 1623	EXAMINER: Traviss C. McIntosh III
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	35	KUMAR, A., et al., "Nonradioactive Labeling of Synthetic Oligonucleotide Probes with Terminal Deoxynucleotidyl Transferase," <i>Analytical Biochemistry</i> 169 (1988), pp. 376-382.		

*applied
reference*

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